Use Attainability Analysis

for

WBID 0728 Hillers Creek

Submitted by Missouri Department of Natural Resources Staff

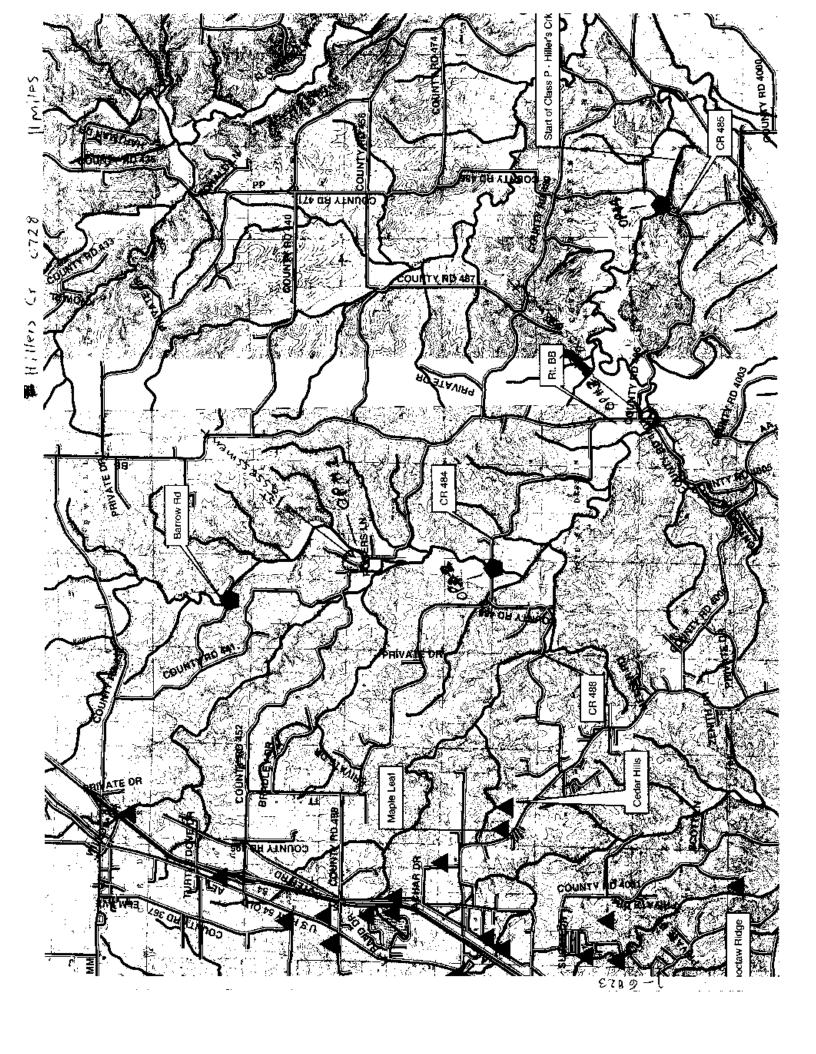
To Missouri Department of Natural Resources Water Protection Program

Data Sheet A - Water Body Identification*

Water Body Name (from USGS 7.5' quad): Hillers Creek
8-digit HUC: 10 30 0 102
Missouri WBID#: 0728
County: Callaway NWK-Sec. 32 T45N RIOW
Upstream Legal Description: East Border of Sec. 15 T 45 R10
Downstream Legal Description: NW 1/4 of Sec. 32 T45N R90W
Upstream Coordinates: E 584384 N 4281631
Downstream Coordinates: E 590403 N 4276628
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: 4
Name of Surveyor and Telephone Number: Tucker Fredrickson (573)526-4210
Organization: MDNR
Position: ES (Environmental Specialist)

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Tucker	Fredicker	Date: 5/23/05	
	 		



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	728 <i>-</i> 01		Site Location De	scription: Bridge c County Roa Hiller's Cree	rossing
Site GPS Coordinates: E		281631	00#1	County Roa	d 452
Date & Time: 5/12/			Facility Name:	Hiller's Cree	K
	Fredricks	 	Permit Number:		
Current Weather Condition			Weather Condition	ons for Past 7 days: Affic	0x 2" rain mo Nighs - 70-80's
Photo Ids: Upstream:		nstream:	O2 Other		
Uses Observed*:				T	
☐ Swimming	☐ Skin diving	□ SCI	JBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	sting	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish	uing	None of the above	☐ Other:
Surrounding Condition items of interest.)	<u> </u>			<u> </u>	
☐ City/county parks	☐ Playgrounds	☐ MDC co	nservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	ጃ Steep slo	pes	☐ Other:	
Evidence of Human Use	e*:				
☐ Roads	☐ Foot paths/pri	nts 🗆 🗅	ock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	□ F	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
₹ Other: NA					

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

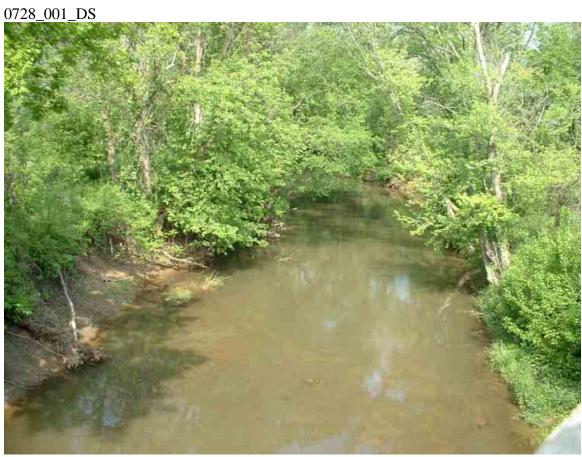
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^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0728 :

tream Morpho	ology: ew Physical Din	ancions:				
	dth (ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	
	dth (ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	
	dth (ft): 30	Length (ft): 60	Avg. Depth ((ft): 1.5	Max. Depth (ft):	2.5
···	esent? X Yes	□ No	Estimated (fi	³ /sec):		
Downstream	View Physical l	Dimensions:				
	idth (ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	-
□ Run Wi	dth (ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	
A Pool Wi	idth (ft): 25	Length (ft): 3	5 Avg. Depth ((ft): j.O	Max. Depth (ft):	2.5
☐ Flow Pre	esent? Yes	□ No	Estimated (fi	r³/sec):		
	eristics*: (Mark :			OT 11		
Odor)	□ Sewage	☐ Musky	☐ Chemical	Mone None	Other:	
Color:	☑ Clear	☐ Green	Gray	☐ Milky	Other:	
Bottom Deposi Surface Depos		□ Solids □ Scum	☐ Fine sediments	□ None □ None	☐ Other:	
Comments: Ple	. 1 1111	anal aammants (ii				
This information is comprehensive und decision on the record, the undersign datasheet is true.	is not to be used solderstanding of water reation use analysis ned, hereby affine and accurate.	ely for removal of a r conditions. Consequent but may point to con	ecreational use designently, this information ditions that need furth my knowledge, the Date:	nation but rather on is not intende her analysis or th that all infor	rviews) to this form r is to provide a more rd to directly influence hat effect another use. mation reported o	a





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	728-02		Site Location De		S ===
Site GPS Coordinates:		19527	OP#2	Bridge cros	y Road 484
Date & Time: 5/12/	05 1:3	30 PM	Facility Name:	Hillers Creek	
Personnel: Tucker	Fredric k s	To N	Permit Number:		
Current Weather Condition			Weather Condition	ons for Past 7 days: Aff	ux. 2" rain Temp. Hishs: 70-80
Photo Ids: Upstream:	07 Down	nstream:	O& Other		, ,
Uses Observed*:	•				
	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Bos	ting	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish	ing	None of the above	☐ Other:
Surrounding Condition items of interest.)	s*: (Mark all that p	romote or imp	oede recreational u	ses. Attach photos of evider	nce or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC cor	nservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	X Steep slo	pes	☐ Other:	
Evidence of Human Use	e*:				•
☐ Roads	☐ Foot paths/prin	its 🗆 D	ock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	□F	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
MOther: NA					

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

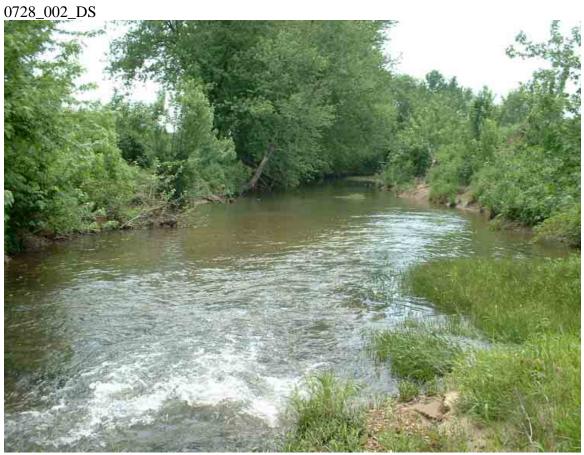
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Page Two – Data Sheet B for WBID # 0728:

eam Morpholog Upstream View		nancione				
	(ft): 25	Length (ft):	60 Avg. Depth (ft): 1.25	Max. Depth (ft): Z
□ Run Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
□ Pool Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Flow Preser	t? 🗡 Yes	□ No	Estimated (ft	³/sec):		
Downstream Vi	ew Physical	Dimensions:				
☐ Riffle Width	(ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):
Run Width	(ft): 20	Length (ft):	40 Avg. Depth ((ft): 1.5	Max. Depth (ft): 2.5
□ Pool Width	(ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):
☐ Flow Preser	ıt? 🏋 Yes	□ No	Estimated (fi	³ /sec):		
uatic Vegetatio leafy plan	n*: (note amou	unt of vegetation	or algal growth at the asserted bar, now so	ssment site) ubmerged	in creek	
ater Characteri	stics*: (Mark	all that apply.)	☐ Chemical	☑ None	Other:	
Color:	∭ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	☐ Foam	Ø None	☐ Other:	
his information is nonprehensive unders distingtion on the recreated the undersigned	ot to be used so tanding of wate ion use analysis	lely for removal r conditions. Co but may point to irm to the bes	its (including information of a recreational use designsequently, this information conditions that need further of my knowledge, to	nation but rather on is not intended ner analysis or th that all inform	is to provide a mo I to directly influe at effect another t	ore ince a use.
oned: Tur	her?	Freduce	banDate:Positio	5/12/0	5	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	728 -03		Site Locati	ion Des	cription: Bridge	crossing
Site GPS Coordinates: 5		76816	0f#2	}	Route B	BR
Date & Time: 5/12/0			Facility Na		Hillers Creek	
	Fredrick		Permit Nu			
Current Weather Condition			Weather C	onditio	ns for Past 7 days: Appr	0x. 2" rain 2. Night = 70-40.5
Photo Ids: Upstream:	O3 Dov	nstream;		Other:		<i>y</i>
Uses Observed*:			· • • • • • • • • • • • • • • • • • • •	•		
Swimming	Skin diving		TO A dissipa		C) Tution	□ Water delice
			JBA diving		☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa			□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish			None of the above ocumentation of evidence	Other:
Surrounding Condition items of interest.)	s*: (Mark all that p	promote or imp	oede recreati	onal us	es. Attach photos of evider	ice or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC cor	servation la	nds	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National	forests		☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	⊠ Steep slop	pes		Other:	<u></u> .
Evidence of Human Use	e*:					
☐ Roads	☐ Foot paths/pri	nts 🗆 D	ock/platform	1	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	□ F	re pit/ring		□ NPDES Discharge	☐ Fishing Tackle
Other: NA						

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 0728 :

ream Morph Unstream V	V-	l Dimensions:					
	idth (ft):	Length (ft):		vg. Depth (ft):		Max. Depth (ft):	
□ Run W	'idth (ft):	Length (ft):	A	vg. Depth (ft):		Max. Depth (ft):	
⊠ Pool W	/idth (ft): 25	Length (ft):	125	vg. Depth (ft):	2	Max. Depth (ft):	4
☐ Flow Pr	resent?	Yes □ No	ī	estimated (ft ³ /sec):		
Downstream	ı View Phys	ical Dimensions:	:				
	/idth (ft):	Length (ft):		vg. Depth (ft):		Max. Depth (ft):	
□ Run W	/idth (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	·
№ Pool W	7idth (ft): 25	Length (ft):	150	Avg. Depth (ft):	2	Max. Depth (ft):	4
☐ Flow Pr	resent? 💢	Yes 🗆 No	I	stimated (ft ³ /sec):		
<u> </u>			Strate Che	nical 🔼	None Milky	□ Other: Mu	-Ку
Bottom Depos	sit: 🔲 Slud:	ge □ Solids	☑ Fine	sediments 🗆	None	☐ Other:	
Surface Depo	sit: 🗆 Oil	☐ Scum	☐ Foai	n 🔀	None	Other:	
his information mprehensive un- cision on the rec the undersig tasheet is tru	is not to be usederstanding of creation use and med, hereby ue and accu	ed solely for removal water conditions. Co alysis but may point a affirm to the bearate.	of a recreation on sequently, the to conditions the est of my knows	al use designation is a at need further an owledge, that	n but rath not intend nalysis or all info	terviews) to this form ter is to provide a more ded to directly influence a that effect another use. ormation reported or	n this UAA
rganization:_	MONR	:	, .	Position: _	E	<u>5</u>	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

			1		
Missouri WBID #:	728-04		Site Location De	county frad	crossing
Site GPS Coordinates:		6628	OP# 4	County Road	485
Date & Time: 5-12	05 12:	30 PM	Facility Name:	Hillers Creek	,
Personnel: Tucker	- Fredrickso	H	Permit Number:		
Current Weather Condition	ons: Sunny	75 "F	Weather Condition	ons for Past 7 days: Appr	ox. 2" rain
Photo Ids: Upstream:		stream:	C& Other	: High	Temps: 70-805
Uses Observed*:					• • • •
☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water \$kiing
☐ Wind surfing	☐ Kayaking	□ Boa	ting	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish	ing	None of the above	☐ Other:
Surrounding Condition items of interest.)	s*: (Mark all that pro	omote or imp	oede recreational us	ses. Attach photos of evider	nce or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC cor	servation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	State parks	□ National:	forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	X Steep slop	oes	Other:	
Evidence of Human Use	*:				
☐ Roads	☐ Foot paths/prints		ock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	□ Fi	re pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
XI Other: NA					

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Page Two - Data Sheet B for WBID # 0728:

Riffle Width	ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Run Width	ft): 25′	Length (ft):	150 Avg. Depth (fi): 1.5 '	Max. Depth (ft):	2.251
Pool Width	ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Flow Present	? 127 Yes	□ No	Estimated (ft	³ /sec):		 -
wnstream Vie	w Physical	Dimensions:				
Riffle Width	ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	
Run Width	ft):	Length (ft):	Avg. Depth ((ft):	Max. Depth (ft):	
Z Pool Width	(ft): 25	Length (ft):	2 <i>50</i> Avg. Depth ((ft): 1.5	Max. Depth (ft):	2.5
Flow Present	?	□ No	Estimated (fi	³/sec):		
50 % Cobble	<u>, , , , , , , , , , , , , , , , , , , </u>	Gravel	% Sand	% Silt 4	0 % Mud/Clay	% Bedrock
er Characteris	ton 50	% Subst	rate coverage	ssment stee)		
periphy	ton 50	% Subst		(MY None	☐ Other:	
per iphy er Characteris	fon 50	3 Subst.	rate coverage		□ Other: Mur	Ky
periphy er Characteris	fon 50 tics*: (Mark □ Sewage	る Substa all that apply.) □ Musky	rate coverage Chemical	(M) None		Ку
periphy er Characteris Odor: Color:	tics*: (Mark Sewage	all that apply.) Green	Chemical	ØYNone □ Milky	DOther: Mur	Ky



0728_004_DS

